AMENDMENTS

AMENDMENTS TO THE SPECIFICATION

Please replace the fourth paragraph on page 3 with the following substitute paragraph:

Genetic screens were designed to identify modifiers of the p21 pathway in *Drosophila,* where a dominant loss of function screen was carried out to identify genes that interact with the cyclin dependent kinase inhibitor, p21 ~~(Bourne BR, et al., Nature (1990) 348(6297):125-132; Marshall CJ, Trends Genet (1991) 7(3):91-95)~~. Expression of the p21 gene in the eye causes deterioration of normal eye morphology. Modifiers of the eye phenotype were identified as members of the p21 pathway. The GISH (CG6963) gene was identified as a modifier of the p21 pathway. Accordingly, vertebrate orthologs of these modifiers, and preferably the human orthologs, CSNK1G genes (i.e., nucleic acids and polypeptides) are attractive drug targets for the treatment of pathologies associated with a defective p21 signaling pathway, such as cancer.

Please replace the fourth paragraph on page 34 with the following substitute paragraph:

A dominant loss of function screen was carried out in *Drosophila* to identify genes that interact with the cyclin dependent kinase inhibitor, p21 ~~(Bourne HR, et al., Nature (1990) 348(6297):125-132; Marshall CI, Trends Genet (1991) 7(3):91-95)~~. Expression of the p21 gene from GMR-p21 transgene ~~(Hay, B. A., et al. (1994) Development120:2121- 2129)~~ in the eye causes deterioration of normal eye morphology, resulting in reduced, rough eyes. Flies carrying this transgene were maintained as a stock (P 1025 F, genotype: y w; P{p21-pExp-gl-w[+]Hsp70(3'UTR)-5}). Females of this stock were crossed to a collection of males carrying piggyBac insertions (Fraser M *et al.,* Virology (1985) 145:356-361). Resulting progeny carrying both the transgene and transposons were scored for the effect of the transposon on the eye phenotype, i.e. whether the transposon enhanced or suppressed (or had no effect) the eye phenotype. All data was recorded and all modifiers were retested with a repeat of the original cross, and the retests were scored at least twice. Modifiers of the eye phenotype were identified as members of the p21 pathway. GISH (CG6963) was an enhancer of the eye phenotype. Orthologs of the modifiers are referred to herein as CSNK1G.